

HIGH POWER CHARGING INLETS

Enable higher power charging for trucks, buses and other industrial and commercial vehicles

Part of our HIVONEX portfolio for high voltage E-mobility, TE Connectivity's charging inlets, built specifically for industrial and commercial vehicles, are the right choice for fast and secure charging. The newest addition are our high power charging inlets, designed to support higher power charging up to 500 A continuous to reduce downtime and maximize productivity in vehicles and equipment that operate in harsh environments and have longer lifetimes.

These new inlets are capable of over 500 A DC continuous charging at 1000 V and optional AC charging up to 80 A (1-phase) for CCS1 and 63 A (3-phase) for CCS2.

Just like the rest of our HIVONEX charging inlet portfolio, these products are modular, allowing you to customize the product to your specific requirements, including choice of 95 mm² or 120 mm² DC cable, optional protective flaps to help keep out dust and moisture, and an LED charging indicator option.

BENEFITS

High Performance

- Capable of supporting continuous higher power charging up to 500 A for quick charging
- Allows vehicles to work in harsh off-highway conditions without the risk of charging failure
- Optimal thermal management is upheld along the charging pathway to minimize component wear and enhance durability.
- Temperature tolerance in harsh environments (-40°C to +85°C) results in a longer product lifecycle

Modularity

- 95 mm² and 120 mm² cable options
- Optional LED indicators and AC charging with the flexibility to choose for the end user
- Pre-assembled kits and pigtail cable assemblies

Rugged Design

- Increased sealing performance allows the inlet to withstand harsh environments
- Provides accurate temperature monitoring and improves overall safety
- Flap assembly provides extra protection from harsh elements (dust, oil, etc.) typical of industrial applications.
- Designed with the ability to withstand high-vibration environments (Vibration ISO 16750-3 Test VII)

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CCS1 KITS ORDERING INFORMATION

Kit PN	Cable	AC Current	LED	Actuator
2443733-1	120 mm ²	32 A	Yes	12 V
2443733-2		32 A	No	12 V
2443733-3		0 A	Yes	12 V
2443733-4		0 A	No	12 V
1-2443733-1		32 A	Yes	24 V
1-2443733-2		32 A	No	24 V
1-2443733-3		0 A	Yes	24 V
1-2443733-4		0 A	No	24 V
2443718-1	95 mm ²	32 A	Yes	12 V
2443718-2		32 A	No	12 V
2443718-3		0 A	Yes	12 V
2443718-4		0 A	No	12 V
1-2443718-1		32 A	Yes	24 V
1-2443718-2		32 A	No	24 V
1-2443718-3		0 A	Yes	24 V
1-2443718-4		0 A	No	24 V
2430432-1	120 mm ²	80 A	Yes	12 V
2430432-2		80 A	No	12 V
1-2430432-1		80 A	Yes	24 V
1-2430432-2		80 A	No	24 V
2443721-1	95 mm ²	80 A	Yes	12 V
2443721-2		80 A	No	12 V
1-2443721-1		80 A	Yes	24 V
1-2443721-2		80 A	No	24 V

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CCS2 KITS ORDERING INFORMATION

Kit PN	Cable	AC Current	LED	Actuator
2443734-1	120 mm ²	32 A	Yes	12 V
2443734-2		32 A	No	12 V
2443734-3		0 A	Yes	12 V
2443734-4		0 A	No	12 V
1-2443734-1		32 A	Yes	24 V
1-2443734-2		32 A	No	24 V
1-2443734-3		0 A	Yes	24 V
1-2443734-4		0 A	No	24 V
2443730-1	95 mm ²	32 A	Yes	12 V
2443730-2		32 A	No	12 V
2443730-3		0 A	Yes	12 V
2443730-4		0 A	No	12 V
1-2443730-1		32 A	Yes	24 V
1-2443730-2		32 A	No	24 V
1-2443730-3		0 A	Yes	24 V
1-2443730-4		0 A	No	24 V
2428025-1	120 mm ²	63 A	Yes	12 V
2428025-2		63 A	No	12 V
1-2428025-1		63 A	Yes	24 V
1-2428025-2		63 A	No	24 V
2443741-1	95 mm ²	63 A	Yes	12 V
2443741-2		63 A	No	12 V
1-2443741-1		63 A	Yes	24 V
1-2443741-2		63 A	No	24 V

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SPECIFICATIONS

Operating Temperature

- -40°C to +85°C

Voltage Range

- 250 VAC
- 1000 VDC

Conductor Cross-sections

- DC 95 or 120 mm² / PE 25 mm² / AC 6 or 16 mm²

Current Carrying Capacity

- Up to 80 A AC (CCS1); Up to 63 A AC (CCS2)
- 500 A DC

Variants

- CCS1 and CCS2

Fire Classification

- UL94-V0

IP Rating

- IP67

Description	95 mm ²		120 mm ²	
	Product Spec	Application Spec	Product Spec	Application Spec
CCS1 0 A / 32 A AC	108-94906	114-94809	108-94867	114-94758
CCS2 0 A / 32 A AC	108-94907	114-94810	108-94865	114-94757
CCS1 80 A AC	108-94913	114-94814	108-94890	114-94785
CCS2 63 A AC	108-94914	114-94815	108-94891	114-94786

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